```
20020108.ba v03_n279.bam.20020108

>From ???@??? Mon Jan  7 19:21:00 2002 -0600
Message-Id: <200201080120.g081Km7U006491@sco.theporch.com>
Date: Tue,  8 Jan 2002 01:20:19 GMT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3279
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BOATANCHORS Digest 3279

Topics covered in this issue include:

  1) Re: WD-40 Fixes Everything!
     by WA1KBQ@aol.com
  2) Re: Back to MFP
     by "Brian Goldsmith" <brian.goldsmith@echo1.com.au>
  3) I need a pilot light lens, bulbs, and some fuse links.
     by "Jim Berry" <basalop@gte.net>
  4) Re: WD-40 Fixes Everything!
     by AA8TV@aol.com
  5) BC-342 front panel photo -- large, good? and KNOBS NEEDED
     by Andy Wallace <wallace@world.std.com>
  6) Re: Electronic Lubricants (wafer switches, etc.)
     by Edward J Knobloch <k4pf@juno.com>
  7) Re: WD-40 Fixes Everything!
     by Arden Allen <gumbear@pacbell.net>
  8) Re: BC-342 front panel photo -- large, good? and KNOBS NEEDED
     by Arden Allen <gumbear@pacbell.net>
  9) Re: Electronic Lubricants (wafer switches, etc.)
     by Arden Allen <gumbear@pacbell.net>
 10) DX-100 VFO Stability.
     by W4UOC@aol.com
 11) Re: DX-100 VFO Stability.
     by "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
 12) WTT a glut of 1T4s
     by "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
 13) Wanted: Case & CW-109 Cover for RT-77A/GRC-9
     by "R. W. Downs - BLB, AL" <RWDowns_WA5CAB@compuserve.com>
 14) Re: Cleaning wafer switches
     by "JAMES T HANLON" <knjhanlon@email.msn.com>
 15) Re: BC-342 front panel photo -- large, good? and KNOBS NEEDED
     by Al Klase <skywaves@bw.webex.net>
 16) Re: DX-100 VFO Stability.
     by Arden Allen <gumbear@pacbell.net>
 17) Collins S-Line Gear For Sale
     by "Jay H. Miller" <jay@kk5im.com>
 18) RE: DX-100 VFO Stability.

     by "Christopher A.Bowne" <radiobwn@riconnect.com>
 19) FS (long list)
     by Avery Comarow <acomarow@usnews.com>

From: WA1KBQ@aol.com
Message-ID: <f5.14e886dc.29694773@aol.com>
Date: Sun, 6 Jan 2002 01:23:47 EST
Subject: Re: WD-40 Fixes Everything!
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In the "for what its worth" department: I know many of you have very good arguments for not using WD-40 and I respect your knowledge and experience but I have several receivers that were cleaned here with WD-40 about seven years ago now, and that includes bandswitches and potentiometers, and all remain smooth and trouble free today and have not had to be retreated. Often when I have a very dirty set here to clean I disassemble the set as much as is practical and using WD-40 with soft brushes, I feel I can clean the chassis effectively without hurting anything. Afterwards with a lot of paper towels and soft cotton cloths and some effort I wipe everything down and get it pretty dry everywhere as much as possible (this includes wiping off individual components and all wiring. Of course the WD-40 remains in all the switches and controls but I believe controls, mechanisms and basically any moving parts need lubrication anyway. My experience has shown a radio that has had all its moving parts lubricated (I don't mean soaked or dripping wet) is smoother and much more enjoyable to operate. Of course I use other lubricants in concert with the WD-40 too such as white lithium grease, 3-in-One oil and other heavier oils and greases. In addition to treating all the switches and controls I like the idea of the chassis having a measure of protection against future rust and corrosion. The receivers I spoke of earlier still look as nice as the day I put them back together. I know..., I remember someone said before the Air Force won't use the stuff on F-16s because of some eventual obscure chemical reaction with aluminum that only Dr. Barry Ornitz could decipher but I just have not seen any evidence of anything like that on my receivers. Like I said, it's been seven years now and no sign of any change. I have another nice old classic receiver up on the bench now to go through and wouldn't you know, sometime in its past the AF gain control probably got noisy so the part was replaced with a cheapie brand "X" control with a hacksawed off at an angle shaft. You know the kind, the ones that come 3 inches long where you saw them to fit and kluge "em" in. I sure wish I could get my hands on the original control! I would spritz a little WD-40 in there and put it back in (provided the carbon surface was OK) and keep more of my receivers history intact with its original parts. Right after the write up in Electric Radio several years ago about CAIG Labs DeOxit I decided to give that stuff a try and ordered a can. I was not impressed at all with the results. The switches were not as smooth and the one radio I tried it on had to be done again a year later. I still have that can of DeOxit and it is still almost full as I haven't used it much more since. I have gone back to WD-40 because it works better and lasts longer. It would be nice to know for sure what the formula for WD-40 really is. The DeOxit proponents will cry out... "it's just Kerosene!" or "it's just Kerosene with some light oil tossed in." Well, I don't know anyone who really knows for sure what it is but I was told or perhaps read here that it also has beeswax. Whatever it has in whatever quantity, if Tektronix recommends the stuff and the Centralab guy recommends the stuff that's good enough for me, besides the Kerosene is just a temporary carrier and evaporates anyway. The receivers that have been going for seven years now for me, I am going to go ahead and call them fixed and fix a few more. In my view a man with an experience is ahead of a man with an argument. I don't recommend using the stuff to brighten Crackle paint finishes. It is tempting though because it seems to be so effective but it does leave behind a waxy, slightly oily residue and that just doesn't cut it for me. The best tip I ever received was at an antique radio meet where an old-timer there had a bunch of really nice looking 1930s black crackle Hallicrafters and National receivers. He was polishing them with an old cloth he kept in a plastic container that he said had been treated with OZ polish. I ordered a pint from Constantines (the wood refinishing supply folks) on his tip to try out and it's the best product I've found to brighten and rejuvenate dull looking finishes, paint, escutcheons and knobs to make them more presentable. It is a liquid but does not contain silicone. It is designed to be applied sparingly and dries to the touch. It does not alter the original appearance or make it wet looking but it does seem to reverse the appearance of the effect of time at least visually. Worth a try especially if you are used to Armorall or some other snake oil looking thing.

73, Greg Gore; WA1KBQ

Message-ID: <007d01c19691$cacecf60$e7168490@workstation2>
From: "Brian Goldsmith" <brian.goldsmith@echo1.com.au>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Back to MFP
Date: Sun, 6 Jan 2002 20:09:05 +1100
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings to all.There's something not quite right here.I have a can of CRC Lectra Shield and would not dare bring it within smell distance of some plastic materials.The label is explicit"May be harmful to some plastics" It certainly is,the school of hard knocks taught me that.Otherwise the product is useful.

Brian Goldsmith.

----- Original Message -----
From: "Arden Allen"

Stumbled (slipped?) into this while updating my lubes info:

CRC Lectra Shield will not attack plastic, rubber,
paint or insulation materials.

From: "Jim Berry" <basalop@gte.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: I need a pilot light lens, bulbs, and some fuse links.
Date: Sun, 6 Jan 2002 08:16:44 -0800
Message-ID: <000401c196cd$8863f9c0$e2020f3f@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Folks,

My project with putting the Navy TCK transmitter on the air is coming along quite smoothly. I could use a few parts though.

I need a green pilot light lens. Now this guy is 1-5/8 inches long, by 7/8 inches in diameter. has 7/8 inches of thread. Why it has a blue lens in place of the green one is beyond me.

I also need some bulbs as spares. This rig uses .11 amp 18 volt screw in bulbs, called a Mazda T-4. The particular ones in my rig were made by GE.

I also should have some replaceable fuse links in my spares collection. I need some 6 amp, and 10 amp ones.

If anyone has any of the above, and would like to get rid of any, you just might have a buyer.

73 Jim K7SLI

GORT - KLATU - BARADA - NIKTO

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.311 / Virus Database: 172 - Release Date: 12/27/2001

From: AA8TV@aol.com
Message-ID: <11e.9b9ba3c.2969d4df@aol.com>
Date: Sun, 6 Jan 2002 11:27:11 EST
Subject: Re: WD-40 Fixes Everything!
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Greg,

I have found in one case, WD-40 actually dissolved the resistive portion of a volume pot. I can't remember the brand or type of pot, but about a year after treating it WD-40, it stopped working all together. I measured the resistance and it was open. Curious, I opened it up to find that the wiper had rubbed off the carbon coating. I touched part of the coating that remained and it fell apart in my fingers. The black carbon was gooey and almost liquid. This pot was obviously not compatible with petroleum products. I haven't used WD-40 on controls since. Although it does degrease and shine up a chassis nicely, I wouldn't use it on potentiometers. I have found De-Oxit to work well as a contact cleaner and lube, but not for the mechanical parts of these controls.

For switch detents, shaft bushings, gears, etc, I use Labelle 106 lubricating grease with Teflon. I found it at a hobby store and it makes controls feel smooth and fluid like. It's compatible with plastics as well. It's a bit more trouble to use more than one lube/cleaner on controls but I think it's worth it.

73, Ed
AA8TV

Lakewood, Ohio

From: Andy Wallace <wallace@world.std.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BC-342 front panel photo -- large, good? and KNOBS NEEDED
Date: Sun, 06 Jan 2002 11:27:08 -0500
Message-ID: <3cug3us4a0g2gf0445a5jsqm4j8ktl3hgp@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, Folks!

One of the only BAs I picked up last year was a modified BC-342-M, made by RCA. If someone could point me to a website with a really clear photo of the front panel, that would be great, or:

I need to know:

1) what is the knob between the PHASING and CW OSC knobs? Mine has a knob like a filament rheostat knob, old style with pointer, you've seen 'em.

2) what kind of knob should the AVC switch have? Mine has a chicken-head pointer knob...

3) What are the jacks on the right side? Mine has about six (!) including one with a flip-up-cover labelled MIC!

I'd love to get the correct knobs, and will be happy to pay for them...anyone?

Believe BAMA has the schematic, or I will search around. Have not even had a chance to open this one up and check the innards, but it has an AC supply inside, for sure. Front panel connector (big right-angle one) has been replaced by a plain aluminum cover.

I missed my -342, sold to a local ham, and found a clean LS-3 the year before, so I guess that's why I plunked down a little money for the 348. :-)

Also, as you can see I am still alive. :-)

--Andy
wallace@world.std.com

To: Old Tube Radios <boatanchors@theporch.com>
Date: Sun, 6 Jan 2002 14:15:23 -0500
Subject: Re: Electronic Lubricants (wafer switches, etc.)
Message-ID: <20020106.141524.132668.0.k4pf@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
From: Edward J Knobloch <k4pf@juno.com>

Hi, Gang

My $.02 on this interesting thread...

One of the companies Arden Allen gave web addresses for is CRC Industries.

I've had very good results using CRC brand "2-26" electrical cleaner, which has a light oil, for cleaning wafer switches. It comes in a spray can, but it is best not to get it on the insulators of the wafer switch, as the oil will eventually attact dust and hurt the insulating properties. It is great for cleaning potentiometers.

I've also had good luck with CRC brand "CO" contact cleaner, which leaves no residue and is safe with most plastics, including rubber rollers on tape recorders. I don't recommend this for wafer switches, where some lubrication is needed. It is handy for removing solder flux residue.

One odd thing, I squirted a conformal coated circuit board one time with "CO" cleaner, and to my surprise the conformal coating ran right off, leaving the board easy to desolder and repair. There was no damage to the mylar and other plastic capacitors on the board. I don't know if this product will dissolve many standard conformal coatings.

73,

Ed Knobloch   k4pf@juno.com

Date: Sun, 06 Jan 2002 11:34:35 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: WD-40 Fixes Everything!
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GPJ00D3M85QCS@mta7.pltn13.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Ed;

>
> I have found in one case, WD-40 actually dissolved the resistive portion of a
> volume pot. I can't remember the brand or type of pot, but about a year after
> treating it WD-40, it stopped working all together. I measured the resistance
> and it was open. Curious, I opened it up to find that the wiper had

rubbed
> off the carbon coating. I touched part of the coating that remained and
it
> fell apart in my fingers. The black carbon was gooey and almost liquid.
This
> pot was obviously not compatible with petroleum products. ....

And I had the same problem with a volume pot in a mid 30's radio. That was
the only pot I ever had that problem with. I believe the formulation of
the resistance coating would not have stood up to any kind of lubricant for
long. It certainly wasn't made to tolerate space age synthetics!
Obviously, the manufacturers of pots learned their lesson in time.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Sun, 06 Jan 2002 11:39:09 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: BC-342 front panel photo -- large, good? and KNOBS NEEDED
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GPJ00D3Q85RCS@mta7.pltn13.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Andy;

>
> One of the only BAs I picked up last year was a modified BC-342-M, made
by RCA.
> If someone could point me to a website with a really clear photo of the
front
> panel, that would be great, or: ....

I can't believe you would want to own such a radio without a complete
technial manual.
Bob Downs (on this list) can supply you with a first class reproduction at
a fair price (disclaimer - I have no interest is such a sale). Just wanted
to help.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Sun, 06 Jan 2002 11:44:10 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Electronic Lubricants (wafer switches, etc.)
To: Old Tube Radios <boatanchors@theporch.com>

Message-id: <0GPJ00D3T85SCS@mta7.pltn13.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Ed;

> ....
> One odd thing, I squirted a conformal coated circuit board one time with "CO" cleaner, and to my surprise the conformal coating ran right off,
> leaving the board easy to desolder and repair. ....

Some conformal coatings are designed to do just that, easily wash off with a mild solvent like TCE or CF..whatever. That's so manufacturers can easily clean a board, rework it and then recoat it. Otherwise an expensive PCB assembly would have to be scrapped.

Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net

From: W4UOC@aol.com
Message-ID: <55.20852eb4.296a0911@aol.com>
Date: Sun, 6 Jan 2002 15:09:53 EST
Subject: DX-100 VFO Stability.
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have noticed that the vfo on my DX-100B seems to lack stability. For the most part it seems to stay close to the expected frequency but it seems to warble around a few cycles... 50-75 cycles or more. It almost sounds like narrow variable RTTY shift.

Warm up does not seem to make much difference. I suspect it may be a mechanical problem as the vfo variable cap does not seem to much tension and I suspect the rotor may not be making good electrical contact. However, I have
cleaned the rotor to ground connections, band switch contact and all other components that might effect the problem the best I can with DeOxit....

Before I jerk out the vfo has anyone experienced anything like this.

The stability seems to be equally as bad on both of the basic oscillators, the 160 and 40 primary oscillators.

Tom Koch - W4UOC

Dunwoody, GA

Date: Sun, 6 Jan 2002 15:41:18 -0500 (EST)
From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200201062041.PAA14356@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: DX-100 VFO Stability.

If you can aggravate symptom by wiggling tube in socket then:

Wire brush the tube pins & try again.

Last & this only counts when socket is Eby-type w. pinchers in individual recesses.   Take tiny jeweler's screwdriver & retension same pinchers all around the circle.

If wafer-sorta socket, just pinch slanted pinchers up from socket underside.

If involuntary FSK persists, turn off ur BFO & ignore it.*

This fast fixie has worked for me a number** of times.

'RM

* Or say a prayer of thanks because it'll sure make a recognizable CW note..

** N > 0

Date: Sun, 6 Jan 2002 15:56:37 -0500 (EST)
From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200201062056.PAA15397@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTT a glut of 1T4s

Need perhaps 10. OK pulls best bet. Have 2 derelict BC1000s & somebody hit fil.s with B+ once. Nuff sed.

Tubes & more wants $3.40 ea. & that might be OK but it approaches what the sets are worth. I'd like to swap something like a JAN 811 or you name it.

Thanks,

'R M

Date: Sun, 6 Jan 2002 15:57:51 -0500
From: "R. W. Downs - BLB, AL" <RWDowns_WA5CAB@compuserve.com>
Subject: Wanted: Case & CW-109 Cover for RT-77A/GRC-9
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <200201061558_MC3-ECDB-A813@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
      charset=ISO-8859-1
Content-Disposition: inline

Groups,

=46rom the three radio sets that were stolen from me on Memorial Day 2000=
, a
few items =

were accidentally recovered. One of the items stolen was an RT-77A/GRC-9=

with matching =

serial numbers. Recovered were the loose receiver and transmitter. I'd
like to find a case =

and a CW-109/GRC-9 cover to put the poor thing back together with. Anyon=
e
have a loose =

one of either part? Or maybe a complete unit on which someone has done
some artistic =

butchery to the receiver and/or transmitter?

73
Robert W. Downs
<rwdowns_wa5cab@compuserve.com>
Houston, TX/Bayou LaBatre, AL

Message-ID: <009901c196fa$c6b62220$eb76b5d1@jameshan>
From: "JAMES T HANLON" <knjhanlon@email.msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Cleaning wafer switches
Date: Sun, 6 Jan 2002 14:40:32 -0700
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Allen is absolutely right! Back in the days when Ma Bell was a monopoly, we lost $millions when some idiot started mixing extra silicone oil with the potting compound in a reed relay used on the 400G (I think it was the G)Key telephone Unit. The unreacted silicone oil crept out of the reed relay, traveled across the circuit board to the armature relays (MA and MB types) and walked out the relay springs to the contacts where low level arcing loads turned it into an insulating solid. We finally figured out what was happening, how to clean the relay contacts and how to put a "barrier compound" on them that the silicone oil would not cross. But it was a very expensive mistake.

So do not introduce silicone oil or grease into any piece of equipment where there will be arcing contacts or you will be sorry.

Jim, W8KGI
ex Bell Labs Electromechanical Switching Apparatus Engineer

----- Original Message -----
From: "Arden Allen" <gumbear@pacbell.net>
To: "Old Tube Radios" <boatanchors@theporch.com>
Sent: Saturday, January 05, 2002 5:47 PM
Subject: Re: Cleaning wafer switches

> Aaaarrrggghhhhhh!!!!!!!
>
>
> > .... Why not use Silicone grease
> > if you don't like the Caig chemicals? Proven to stand up to high
> voltages
> > and recommended lube for many electronic applications. ....
>
> Barry Ornitz warned us about this and a reading of the literature backs
him
> up. Arcing in the presence of a silicone lubricant causes the generation
> of silcon carbide compounds which are very hard particles used to make
sand
> paper, grinding wheels and so forth. Cleaners do not remove the
compounds.
> You can deduce the rest.
>
> Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net
>

Message-ID: <3C38CC99.4A75C38D@bw.webex.net>
Date: Sun, 06 Jan 2002 17:15:53 -0500
From: Al Klase <skywaves@bw.webex.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BC-342 front panel photo -- large, good? and KNOBS NEEDED
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Andy and the Group,

Comments below:

Andy Wallace wrote:
>
> I need to know:
>
> 1) what is the knob between the PHASING and CW OSC knobs? Mine has a knob like a
> filament rheostat knob, old style with pointer, you've seen 'em.
>

In the original set, this is a combined RF & AF gain
control. It was common ham practice to provide a separate
AF gain control elsewhere. Knob is similiar in appearance
to the "VERNIER", but without trhe screw in the middle.
Says "VOL" with a clockwise arrow.

> 2) what kind of knob should the AVC switch have? Mine has a chicken-head pointer
> knob...
>

Cylindical like the knobs in the top row, "ALIGN" etc.
Legend is just an arrow.

> 3) What are the jacks on the right side? Mine has about six (!) including one
> with a flip-up-cover labelled MIC!
>

Key and mic plugged into the RX which connected to the rest
of the system via the front panel connector.
There should be 5 jacks each with a labled toilet-seat
cover. Top to bottom: "KEY", "MICRO", "SPEAKER 2nd AUDIO",
"PHONES 2nd AUDIO", and "PHONES 2nd AUDIO."

--
Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ 08822

Web Page: http://www.webex.net/~skywaves/home.htm

Date: Sun, 06 Jan 2002 16:10:31 -0800
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: DX-100 VFO Stability.
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GPJ00DS8LKFCZ@mta7.pltn13.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Tom;

> ....
> The stability seems to be equally as bad on both of the basic oscillators,
> the 160 and 40 primary oscillators.

That's a pretty good sign it's the variable cap. There could be trouble with the trimmers also. I had to disassemble the variable on a VF-1, adjust rotor contact tension, and reassemble being sure that the alignment of everything made for good contacting. I also doused the trimmers with TV tuner ("drift free formula") cleaner/lube, twirled them a few times and then blew off the excess juice. After running warmed up for a day or so the VFO became quite stable with no more frequency jumping.

Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net

Mime-Version: 1.0
Message-Id: <p0510031fb85eae036106@[199.34.24.165]>
Date: Sun, 6 Jan 2002 19:44:42 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: "Jay H. Miller" <jay@kk5im.com>
Subject: Collins S-Line Gear For Sale
Content-Type: text/plain; charset="iso-8859-1" ; format="flowed"
Content-Transfer-Encoding: quoted-printable

Still Thinning Out!

All the A-Line gear has been sold.

These two pieces remain:

Round Emblem 32S-3 Transmitter
$650.00 plus boxing and shipping
Pictures: http://www.kk5im.com/32S3.html

Winged Emblem 51S-1 Receiver
$1500.00 plus boxing and shipping
Pictures: http://www.kk5im.com/51S1.html

Thanks!

*********** jay@kk5im.com ***********
Jay H. Miller, KK5IM   32=B0 AASR   Dallas, Texas
The Pocket Guide to Collins Amateur Radio Equipment
A Pictorial History of Collins Amateur Radios
NRA * ARRL * AMI#846 * DXCC * S.A.S.S. #34,692
NEW Website: http://www.kk5im.com
***** Proud to be 100% Macintosh since 1984! *****

Message-ID: <01C19714.286F2FC0@dialup-uu-dynamic30.cshore.com>
From: "Christopher A.Bowne" <radiobwn@riconnect.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: DX-100 VFO Stability.
Date: Mon, 7 Jan 2002 00:40:12 -0500

> The stability seems to be equally as bad on both of the basic
oscillators,
> the 160 and 40 primary oscillators.

Don't overlook the Colpitts tank circuit coils. My otherwise near mint VF-1 suffered the same jumpy instability and driftiness, especially when using the 160 meter fundamental. I had some improvement from cleaning and adjusting the trimmers and main tuning cap. The BIG fix, which has made it virtually rock steady once set on a frequency, was finding and correcting a few loose turns on the grid end of the 160 meter coil. The coil is made of a large number of turns of fine Litz wire wound on a large ceramic form, with a ferrite adjustable ferrite slug. The turns are secured with coil dope, which dried out and allowed the first few turns to flop around. Any movement, however slight, would make the frequency jump as the loose Litz wire moved around. Sometimes it would just jump for no reason, apparently as the Litz wire was moved by convection air currents circulating within the cabinet. Touching the wire with a non-metallic alignment tool made the frequency take off for parts unknown! I rewound the loose turns and dabbed on a layer of super glue to re-secure them, and re-tweaked the dial calibration.. Since then, I have had NO drift or instability problems. My original VF-1 that came with my original DX-40 35 years ago behaved the same way, but as a JN, I never figured out why. I used to think that all VF-1s were unstable by design, but my coil fix has shown that they can be very stable. My new one has always been stable on the 40 meter fundamental. It is a little wobbly when zero beating, which I attribute to some inherent mechanical/electrical instability in the tuning cap, but once its set, it stays put. Since I have fixed the coil instability, and added about 10 Microfarads across the cathode keying circuit to soften the clicks, I have had a very nice sounding DX-40/VF-1 on CW. Tom, W2ILA told me last week on the Old Military Radio CW Net that their CW note sounded better than my new FT-100D mini rice box! I would like to soften the note a little more to sound like the keying when in the tune mode, which is slightly bell-like, and very distinctive. I recall that I had my original DX-40 keying that way many years ago, but for the life of me, cannot remember specifically what I did besides add the 10 MFD across the key contacts. Perhaps I added a choke in series with the key, but can't remember the value. Any suggestions out there? How about adding a 6Y6 keyer tube circuit ? BTW, I do not key the VF-1 on transmit. It runs continuously off an aux contact on my T/R relay to preclude keying chirp.

Good luck!

73,

Chris Bowne, AJ1G
Stonington CT
radiobwn@riconnect.com

Message-Id: <3.0.6.32.20020107202017.007a5a40@pop3.norton.antivirus>
Date: Mon, 07 Jan 2002 20:20:17 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Avery Comarow <acomarow@usnews.com>
Subject: FS (long list)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Shipping extra unless noted.

Heathkit DX-40 transmitter, front panel solid 9 or better, scrapes on cabinet, with all original knobs (and the elusive crystal door). Original manual. Untested. $100

National NC-88. Very clean. With Knight 100 kHz calibrator. Main dial needs restringing--looks like a straightforward job. Original manual. Untested. $75

Harvey-Wells TBS-50D transmitter, conservative 6.5-7 out of 10. No VFO. Drake TV-1000 lowpass filter mounted on back, Midland SWR bridge mounted on side. Original manual. Untested. $65

Hallicrafters S-95 VHF receiver, 152-173MHz FM. Very handsome grey hammertone cabinet, overall 8-9 or better. Untested. $25

James Millen R-9'er antenna matching preamplifier, model no. 92101, with no. 4610 plug-in (27-32 mc.). Independent tuning of input and output, gain control varies screen voltage on single 6AK5. With hard-to-find input and output plugs (used). Clean, about a 7 or better. With schematic. Untested. $25

Lafayette HE-61 6M VFO. Clean. With manual copy. Untested. $20

Lafayette HE-61A 6M VFO. Clean. No manual. Untested. $20

Heathkit VP-1-12 vibrator power supply. 12 VDC in, 260 VDC @ 60 ma. out. 6X4 rectifier. Terminal strip connections. Will include cable with lighter plug input and octal socket output. Oxidized but no rust. With manual. $15

Knight 100 kc. crystal calibrator, with crystal and tube. Intended to be hardwired in place as inboard add-on. Oxidized but no rust. With manual. $15

Ameco model PV VHF preamp, single 6CW4 Nuvistor. Auto jacks in/out. Dirty. $10

Drake TV-100 LP filter, 100 watts. Heavily tarnished. W/ instruction sheet. $10

Drake TV-300 TVI filter (for TV, not transmitter). Tarnished but unused. With box. $5

Eico 706 transistorized code practice oscillator, works fine, 8 cosmetically, has added volume control & extra phone jack. Original manual. $15

Code practice oscillator. Solid-state (one transistor). Manufacturer unknown, looks military. Slant-front meter case, marked CO-5 on phenolic back panel. Built-in speaker. Terminal strip screw connections. 8 out of 10 cosmetically, works fine. $15

Rider Sound-n-Sight code course on records, Advanced version (9-20 WPM). Three LPs, manual, in orig. box. Not sure it was ever used. Box is worn but records are in their original jackets with the cardboard separators between each record. I used one of these courses to learn CW in the '50s. $15

Flameproof CW key with hardwired cable and phone plug. Really nice. Solid 8 or better. $25

Amphenol folded dipole, model 139-40, for 40 meters. Antenna is #16 Copperweld twinlead. With 75 feet of lead-in, center insulator. Never used, in orig. box with 1956 sales receipt. $20

Gibson Girl emergency transmitter, T-74/CRT-3. With instruction sheet at the top on how to activate. Dirty and dinged, but everything seems to be there-crank, screw-in covers for various openings, canvas strap, etc. $10

Radio City 668 multi-tester, VTVM & measures capacitors 50mmfd-2000mfd. 7-8. No leads. With original manual. Untested. $35

Heathkit GD-1B grid dip meter, very clean, with all coils, coil holder, original manual. Untested. $25

Knight 600A tube tester. Rough, about a 5 out of 10, good meter. Roll chart turns but binds. With separate updated roll chart, original assembly manual. Untested. $20

Knight capacitor checker (go/no-go eye tube indicator). Cosmetically 8-9. Untested. With original manual. $15

Eico 555 VOM, cosmetically 8-9. With original manual. Untested. $12

Eico model 1100 resistance substitution box, cosmetically 9 or better. Does NOT work, visual check shows several cracked resistors. Replace them and it's a nice unit. $5

Midland resistance substitution box, 15 ohms to 10 megs, NIB, $12

Midland capacitance substitution box, nine values from .0001 to .22 mfd, NIB, $10

16 tubes, NOS in orig. boxes, military contract, $20 for all:
Batch #1 (boxes marked "equipment spares RDZ-1." I gather this is a big National VHF receiver)-(13) 6AC7, (1) 6AB7
Batch #2 (boxes marked RDZ but not "equipment spares")-(1) 6AB7, (1) 6AG7

Collins filter choke, PN 678N132, 6H@ 150ma, made by Chicago Transformer Corp., wing emblem on bottom.

Power transformer, Langevin Mfg. Corp. I-1335, 115V primary, secs. 1250V CT @ 177 ma (that's what it's marked!), 5V @3A, 6.5V (not a typo) CT @ 6.25A, 6.5V CT @ 1.75A. Slotted connectors on ceramic standoffs. 20 pounds or more. Scuffed, otherwise an 8. $20

Crystals:
CR-23/U holders: 52.85000 mc, 50.27000 mc, 34.9000 mc, 10012.5 kc.
FT-243 holders: (2) 8323.333 kc. $24 for all. Shipping included.

Shure handset, like old black WE handsets except with pushbutton in grip. Almost 9" end to end. No model number anywhere. Coiled cord, four rubber-covered conductors. Earpiece element labeled "controlled-reluctance transducer." No markings on mouthpiece element except a bunch of stamped numbers. From sound-powered intercom? VG or better cosmetically-no chips or dings, cord and conductors in good shape. $10 OBO

Large Amphenol military connector, AN 3108-16-10P (3 large male pins) connector mated with AN 3057-8 right-angle cable clamp. Looks unused. $4

CN 49120 thru-chassis connector, single large center pin. Unused. $2

Small socket, maybe for filter?, 6 pins marked A through F around 300 degrees of perimeter, 7th pin marked H in center. Marked Winchester El. Ltd. Used but good cond. $2

Cornell-Dubilier synchro capacitor, MK.1 Mod. 3 Type 3C, 10-10-10 mfd. 90V, delta connected, 1944, bolt terminals. $5

Sylvania GB 13D lamp, NOS. $5

Heathkit stick-on label. Metal. About 2.75 inches long by 3/8th inch high, HEATHKIT in silver capital letters on black background. Unused and unbent, paper backing intact. Looks as if it's for kits of the early to mid-1970s. $5 including 1st-class postage in padded envelope.

Zenith Space Commander wireless remote control, PNS-68934. Four-button tuning-fork model from 1963. Pushing a button thumps a metal rod that vibrates at an ultrasonic frequency picked up by a transducer in the TV. NOS, in original box. $10

Zenith S-71144 television HV assembly, NOS in original box, no papers but with bill of sale ($23.60 in 1970). $10

Another TV HV assembly, manufacturer unknown, PN HVO-32 (239608 appears below that). NOS but no papers or box. $10

Book, manuals, misc. paper materials:
Instruction book for AN/FRC-7A and AN/FRC/17A, VG-E condition, covers and edges slightly faded and marked by owner in several places. $10

TM 11-455 Radio Fundamentals, July 17, 1941, 142 pages, paper, VG condition, $10

Color Television Fundamentals by Milton S. Kiver, McGraw-Hill, 1955, hardback, 312 pages, VG condition, $10

73, Avery W3AVE in Potomac, Md.

End of BOATANCHORS Digest 3279

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